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New series, vol. 2, no. 11.

November, 1954.

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AGRICULTURAL ECONOMICS

- 1. Cambridge, Eng. University. School of Agriculture.
 Farm Economics Branch. Profitable egg production.
 Cambridge, 1954. 24p. tabs. (Farmers' bulletin no.17) (631.18 .C178)
- 2. Cornell University, Ithaca, N.Y. New York State
 College of Agriculture. Dept. of Agricultural Economics.

 Location of agricultural production in New York state,
 by S.W.Warren and W.McD. Herr. Ithaca, 1954. 20p.
 21 figs. (A.E. 952) (631.1.N566)
- 3. Cornell University, Ithaca, N.Y. New York State College of Agriculture. Dept. of Agricultural Economics.

 Some considerations in buying eggs on a quality basis, by D.L.Long. Ithaca, 1954. 24p. tabs. (A.E. 948) (631.1 .N566)
- 4. Minnesota. Agricultural Experiment Station, St.Paul.

 An economic analysis of the impact of government programs on the potato industry, by R.W.Gray, V.L.Sorenson and W.W.Cochrane. St.Paul, 1954. 239p. (Technical bulletin 211. North Central regional publication no.42) (630.8 Minn.)
- 5. U.S. Dept. of Agriculture. <u>Electricity on farms in New York and New England, by J.F. Davis</u>. Washington, D.C.: 1954. 42p. tabs. (Agriculture information bulletin no.124) (630.8 .U58)

AGRICULTURAL EDUCATION

6. Canada. Dept. of Labour. Economics and Research Branch.

Agricultural colleges and schools, and secondary schools

where agricultural subjects are taught in Canada.

prepared in cooperation with the Education Division of
the Dominion Bureau of Statistics. Ottawa, 1954. 15p.

(373.2463.C212)

AGRICULTURAL ENGINEERING

- 7. Cornell University. Agricultural Experiment Station,
 Ithaca, N.Y. Greenhouse heating, by H.E.Gray. Ithaca,
 1954. 3lp. illus. (Bulletin 906) (630.8 N.Y.)
- 8. Kristal, F.A., and F.A.Annett. Pumps: types, selection, installation, operation, and maintenance. 2d ed.

 New York, McGraw-Hill, 1953. 373p. illus. (621.6
- 9. Mississippi. Agricultural Experiment Station, State College, Miss. Seed processing equipment, by G.B. Welch. State College, 1954. 22p. illus., tabs. (Bulletin 520) (630.8 .Miss.)
- 10. Oregon. Agricultural Experiment Station, Corvallis.

 Open houses and cages for laying hens, by J.E.Parker
 and J.B.Rodgers. Corvallis, 1954. 15p. illus.
 (Station bulletin 543) (630.8.0re.)
- 11. World Health Organization. Design and operation of septic tanks. Third European seminar for sanitary engineers. Geneva, 1953. 122p. illus., tabs. (World Health Organization. Monograph series no.18) (614.8924)

ANIMAL HUSBANDRY

- 12. Boston, E.J. <u>Jersey cattle</u>. Photos by Cas Oorthuys and others. London, Faber and Faber 1954, 232p. illus. (636.2243 .B747)
- 13. Cork. University College. The history of native Irish cattle, by M.J.O'Shea. Cork, 1954. 19p. (636.225
- 14. Leahy, J.R., and P.Barrow. Restraint of animals. 2d ed. Ithaca, N.Y., Cornell Campus Store, 1953. 269p. illus. (619 .L434)
- 15. Missouri. Agricultural Experiment Station, Columbia.

 Improving livestock through breeding, by J.F.Lasley
 and F.J.Rice. Columbia, 1954. (Bulletin 618)
 (630.8 .Mo.)
- 16. Oregon. Agricultural Experiment Station, Corvallis.

 Rate and efficiency of gains in beef cattle. I. The
 response to injected testosterone, by M.J.Burris cand
 others: Corvallis, 1954. 35p. tabs. (Station
 technical bulletin 31) (630.8 .0re.)

- 17. Oregon. Agricultural Experiment Station, Corvallis.

 Rate and efficiency of gains in beef cattle. II. Some factors affecting performance testing, by C.D.Pierce
 and others. Corvallis, 1954. 32p. tabs. (Station technical bulletin 33) (630.8.0re.)
- 18. Towne, C.W., and E.N.Wentworth. Pigs from cave to Corn
 Belt. Norman, University of Oklahoma Press, 1950.
 305p. illus. (636.4 .T725)

BACTERIOLOGY

- 19. Annual review of microbiology, v.8. Stanford, Cal., Annual reviews, 1954. 536p. (576.8.A615)
- 20. Galloway, L.D. Applied mycology and bacteriology.
 Originally compiled by L.D.Galloway and R. Burgess,
 revised by L.D.Galloway. 3d ed. London Leonard
 Hill: 1952. 184p. illus. (576.8 G174)
- 21. Society for General Microbiology. Autotrophic microorganisms; Fourth symposium of the Society for General
 Microbiology, held at the Institution of Electrical
 Engineers, London, April, 1954. Cambridge Eng. =
 University Press, 1954. 305p. plates, diagrs.,
 tables. (576.8 .8678)

BEES

22. Frisch, K.von. The dancing bees, an account of the life and senses of the honey bee, tr. by D.Ilse. London, Methuen =1954 = 183p. illus., plates, diagrs. (595. 799 .F917)

A translation of Karl von Frisch's Aus dem Leben der Bienen, 5th rev.ed. 1953.

23. Nogueira-Neto, P. A criação de abelhas indigenas sem ferrão (Meliponinae). São Paulo, Chacaras e Quintais, 1953. 280p. illus., plates. (638.1 .N778)

English translation of title: The rearing of stingless bees.

24. U.S. Dept. of Agriculture. American foulbrood of honey bees -- how to control it, by A.S.Michael. Washington, 1954. 12p. illus. (Farmers' bulletin no.2074) (630.8 .U58)

BIOLOGICAL CHEMISTRY

25. Advances in enzymology, v.15. New York, Interscience, 1954. 547p. tabs. (612.0151 .A244)

Partial contents: The mechanism of enzymic oxidoreduction, by S.J.Leach; Thermodynamique des réactions immunologiques, par R.Wurmser; Alternate pathways of glucose and fructose metabolism, by E.Racker; Rennin and the clotting of milk, by N.J.Berridge, etc.

26. Exposés annuels de biochemie médicale, quinzième série.

Publiés sous la direction de Michel Polonovski. Paris,
Masson, 1953. 284p. (612.015.E96)

BIOLOGY

- 27. Berrill, N.J. Sex and the nature of things; with drawings by the author. New York, Dodd, Mead =1953: 256p. illus. (577.8 .B533)
- 28. Conn, H.J. Biological stains; a handbook on the nature and uses of the dyes employed in the biological laboratory, prepared with the collaboration of various members of the Biological Stain Commission. 6th ed.rev. Geneva, N.Y., Biotech Publications, 1953. 367p. illus. (578.6 .C752)
- 29. Crew, F.A.E. Sex determination and ed. rev.: London, Methuen; New York, Wiley al954: 68p. (577.88.0927)
- 30. Hollaender, A. ed. Radiation biology, edited by A. Hollaender with the cooperation of A.M.Brues cand others. New York, McGraw.Hill, 1954. v.l in 2 parts. illus. (576.3 .H733)

Contents:-v.l. High energy radiation. 2 parts.

This is the first of a three-volume work of reference under the sponsorship of the National Research Council, Washington.

- 31. Huxley, J.S. Evolution in action, based on the Patten Foundation lectures delivered at Indiana University in 1951. London, Chatto & Windus, 1953. 159p. illus. (575. H986)
- 32. Langlois, T.H. The western end of Lake Erie and its ecology. Ann Arbor, Mich., J.W.Edwards, 1954. 479p. illus., map. (591.92 .L284)

BOTANY

- 33. Bernice Pauahi Bishop Museum of Polynesian Ethnology and Natural History, Honolulu. Ethnobotany of the Gilbert Islands, by K.Luomala. Honolulu, 1953. 129p. (570.4.8528)
- 34. Blackman, F.F. Analytic studies in plant respiration.
 Cambridge Eng. University Press, 1954. 28lp. illus.
 (581.12 .B629)
- 35. Brookhaven National Laboratory. Abnormal and pathological plant growth: Report of symposium held August 3 to 5, 1953. Upton, N.Y. 1954. 303p. illus. (Brookhaven symposia in biology no.6) (581.22 .B872)
- 36. Lepage, E. Materials for a better knowledge of the hepatic flora of northern Quebec. n.p. 1953. pp. =101° = 115. (588.3 .1591)

Reprinted from "The Bryologist" v.56, no.2, June 1953.

37. Medsger, O.P. Edible wild plants...with an introduction by E.T.Seton; illustrated with eighty pen and ink drawings and nineteen photographs. New York, The Macmillan company, 1939. 323p. illus., plates. (581.632 .M+92)

Eighth printing, 1954.

- 38. Southern Cooperative Group. Influence of environment on the chemical composition of plants. 1. A review of the literature. College Station, Texas, 1954. 198p. tabs. (Southern cooperative series bulletin, 36) (630.4 .8727)
- 39. U.S. Dept. of Agriculture. A texenomic study of Saccharum sinense Roxb. and S. barberi Jeswiet, by E. Artschwager. Washington, 1954. 87p. illus. (Technical bulletin no.1089) (630.8 U58)

CHEMISTRY

- 40. American Oil Chemists Society. Official and tentative methods of the American Oil Chemists Society. 2d ed. Chicago, 1946. lv. (loose-leaf) (665.A512)

 Including additions and revisions 1947, 1948, 1949, 1950, 1951.
- 41. Annual review of physical chemistry, vol.5. Stanford, Cal., Annual Reviews, Inc., 1954. 540p. (541.3 .A615)

- 42. Audrieth, L.F., and J.Kleinberg. Non-aqueous solvents;
 applications as media for chemical reactions. New York,
 Wiley = 1953 = 284p. illus. (541.346.A915)
- 43. D'Alelio, G.F. Fundamental principles of polymerization; rubbers, plastics, and fibers. New York, Wiley -1952: 517p. illus. (541.7 D139)
- 44. Elderfield, R.C. ed. <u>Heterocyclic compounds</u>. New York, Wiley cc1950-1951: 2v. illus., charts. (547 .E37)

Contents:- v.l. Three-, four-, five-, and six-membered monocyclic compounds containing one 0, N, and S atom. v.2. Five- and six membered polycyclic compounds containing one 0 or S atom.

- 45. Freeport Sulphur Company.

 The sulphur data book, compiled
 by the technical staff; edited by W.N. Tuller, superintendent of laboratories.

 New York, McGraw-Hill, 1954.

 143p. col.diagrs. tables. (546.22 .F853)
- 46. Manufacturing Chemists' Association. General Safety

 Committee. Guide for safety in the chemical laboratory.

 New York, Van Nostrand = 1954. 234p. illus. (542.1

 .M294)
- 47. Sneed, M.C., J.L. Maynard, and R.C. Brasted, eds. Comprehensive inorganic chemistry. New York, Van Nostrand 1953-1954, 2v. illus. (546.8671)

v.l:- Principles of atomic and molecular structure, by W.N.Lipscomb;- Theoretical and applied chemistry, by P.R.O'Connor;- The actinide series, by G.T.Seaborg. v.2:- Copper, silver and gold, by J.W.Laist.

CONSERVATION OF RESOURCES

48. Ontario. Dept. of Planning and Development. North

Creek conservation report. Toronto: 1954. v.p.

plates, map. (339.49.058)

. CONSUMPTION (ECONOMICS)

- 49. Canada. Dept. of Agriculture. Marketing Service.

 Breakfast bacon: consumer preferences in relation to fat-lean distribution, prepared by the Live stock and Live stock Products Division, Economics Division and Consumer -Service: Section. Ottawa, 1954. -19p.: illus. (339.4.0212)
- 50. Cockfield, Brown & Company, Ltd. Research Division.

 Habits and preferences of urban housewives with regard
 to certain dairy foods; a survey conducted for dairy
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 tabs. (339.4 .C666)

CROPS

- 51. Great Britain. Ministry of Agriculture and Fisheries.

 Bulk handling of home-grown grain; report of working group. London, 1954. 19p. tables. (633.10383. G786)
- 52. IBEC Research Institute. Report on Venezuelan rice experimental program for 1953. New York, c1953. 38p. illus., tables. (Bulletin no. 3) (630 .III)
- 53. Wilson, H.K., and W.M.Myers. Field crop production:

 agronomic principles and practices. Philadelphia,
 Lippincott & 1954 = 674p. illus. (633 .W748)

DAIRYING

- 54. American Dairy Science Association. Western Division.

 Proceedings thirty-fifth annual meeting, Oregon State
 College, Corvallis, Oregon, July 11-14, 1954. v.p.

 processed. (637.062 .A512)
- 55. Imperial Chemical Industries Limited. Central Agricultural Control. Progress in milk production, by J. Clark and J.E.Bessell; a study of forty farms 1949 to 1952. London, 1954. 9lp. charts, tabs. (Bulletin no.5) (630.4 .134)
- 56. National Dairy Council of Canada.
 - Co-ordinated action in dairy industry; an address presented by Gordon Loveridge to the National Dairy Council, annual meeting, Ottawa, September 13, 1954. Ottawa, 1954. 7p. (637 .N277)
- 57. National Dairy Council of Canada. <u>Dairy facts</u>. cOttawa, 1954?: approx.12p. tabs. (637.N277)
- 58. National Dairy Council of Canada. Dairying serves the nation; a summary of commodity group discussions held during the annual meeting of the National Dairy Council of Canada. Ottawa, 1954. 17p. (637.N277)
- 79. Richmond, H.D. Dairy chemistry, rev. by J.G.Davis and F.J.MacDonald. 5th ed. London, Griffin 1953: 603p. illus., tables. (637.1277 .R532)

ECONOMICS

60. Canadian Tax Foundation. The national finances, an analysis of the programme of revenues and expenditures of the government of Canada, 1954-55. Toronto -1954-83p. tabs. (336 .C212)

- 61. New Zealand. Dept. of Finance. Economic survey of New Zealand, 1954. Wellington, 1954. 67p. tables. (330.9931.N567)
- 62. Ontario. Bureau of Statistics and Research.

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- 63. Thomas, B. Migration and economic growth, a study of Great Britain and the Atlantic economy. London: Cambridge University Press, 1954. 362p. diagrs., tables. (National Institute of Economic and Social Research. Economic and social studies, 12) (325.12.7454)

ENTOMOLOGY

- 64. Harvard College. Museum of Comparative Zoology.

 Revisionary notes on the ant genus Myrmecia of Australia, by W.L.Brown. Cambridge, Mass., 1953. 35p.
 (Bulletin v.lll, no.1) (595.76 .H339)
- 65. Kansas. University. Museum of Natural History. Myology and serology of the avian family Fringillidae, a taxonomic study, by W.B.Stallcup. Lawrence, 1954. pp. 159-211. illus. (v.8, no.2, 1954.) (570.4 .Kl6)
- 66. U.S. Dept. of Agriculture. The larvae and pupae of the mosquitoes belonging to the culex subgenera Melanoconion and Mochlostyrax, by R.H.Foote. Washington, 1954.

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- 67. Washington. Agricultural Experiment Stations, Pullman.

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- 68. Washington. Agricultural Experiment Stations, Pullman.

 Bionomics of the cherry fruit flies in eastern Washington, by K.E.Frick, H.G.Simkover and H.S.Telford.
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FEEDING AND FEEDING STUFFS

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Value of alyce clover pasture for lactating dairy cows,
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- 70. Idaho. Agricultural Experiment Station, Idaho. Optimum ratio of concentrate to alfalfa hay for steers as affected by protein level and method of feeding, by T.B.Keith

 R.F.Johnson and W.P.Lehrer. Idaho, 1954. 12p.

 (Research bulletin no.26) (630.8 .Idaho)
- 71. Ohio. Agricultural Experiment Station, Wooster. <u>Effect of certain adsorbents and mineral mixtures on the availability of riboflavin and other B-vitamins in rations, by C.H.Hunt, O.G.Bentley and others Wooster, 1954. 15p. (Research bulletin 748) (630.8.Ohio)</u>
- 72. Ontario. Dept. of Agriculture. Feeding grass silage.
 Guelph, 1954. 10p. illus., tabs. (Circular 222)
 (630.4.059)

Prepared with the cooperation of the ${\tt Ontario}$ Agricultural ${\tt College}_{\,\circ}$

73. Sen, K.C. Animal nutrition research in India. Calcutta, Macmillan, 1953. 370p. plates, maps, tables. (636.084.S474)

FOOD

- 74. Food and Agriculture Organization of the United Nations.

 Food composition tables minerals and vitamins for international use, a report prepared by C.Chatfield.

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 (641.063.F686)
- 75. Harris, F.G., and R.A. Henderson. Foods, their nutritive, economic and social values. 2d ed. Boston, D.C. Heath 1949 602p. illus. (641.07 .H314)
- 76. Hobbs, B.C. Food poisoning and food hygiene. London, Arnold :1953: 174p. illus. (615.9.4682)

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- 77. Georgia. Forestry Commission. Forest diseases and insects of Georgia's trees, by L.W.R.Jackson, G.E.

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- 78. Philippine Islands. Dept. of Agriculture and Natural Resources. Bureau of Forestry. Forest industries of the Philippines, by W.L.Gooch. Manila, 1953. 160p. illus., tabs. (674.P552)

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Some new pine pollination techniques, by P.C.Wakely and

T.E.Campbell. n.p. 1954. 13p. illus. (Occasional paper 136) (630.8 .U58)

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80. Advances in genetics, vol.6. New York, Academic Press Inc., 1954. 488p. (575.1 .A244)

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81. Lerner, I.M. Genetic homeostasis. Edinburgh, Oliver 1954: 134p. plates, diagrs., tables. (575.1 .L616)

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- 83. Jones, C.F., and G.G.Darkenwald. Economic geography. rev.ed. New York, Macmillan =1954= 612p. illus. (338.J76)
- 84. Miller, G.J., A.E. Parkins and B. Hudgins. Geography of
 North America. 3d ed. New York, Wiley 1954. 664p.
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85. Thornbury, W.D. <u>Principles of geomorphology</u>. New York, Wiley =1954= 618p. illus. (551.3 .T+97)

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- 86. The daffodil and tulip year book, no.20. London, Royal Horticultural Society, 1955. 140p. plates. (635.9 Daffo. R888)
- 87. New York (State) Agricultural Experiment Station, Geneva.

 Chemical composition and freezing adaptability of peach varieties grown in western New York, by F.A.Lee, G.

 Oberle and J.Whitcombe. Geneva, N.Y., 1954. 13p.

 (Bulletin no.768) (630.8 .N.Y.)

- 88. New Zealand. Dept. of Agriculture. Growing tomatoes in glasshouses, by S.O.Gillard. Wellington, 1954. 43p. illus. (Bulletin no.370) (630.4 .N567)
- 89. Ohio. Agricultural Experiment Station, Wooster. Fruit setting of the delicious apple, by F.O.Hartman and F.S.Howlett. Wooster, 1954. 64p. illus., tables. (Research bulletin 745) (630.8 .0hio)
- 90. Osborn, A. ed. Pruning; a practical handbook on the pruning of ornamental and flowering trees and shrubs, rose trees and fruit trees, ed. by Arthur Osborn and N.B.Bagenal. London, Ward, Lock 1953, 160p. illus., plates. (631.542.081)
- 91. Smith, T. The profitable culture of vegetables for market-gardeners, small-holders and others, by Thomas Smith, edited and rev. by Jeffrey Rhodes. 3d ed. London, Longmans, Green = 1954= 318p. illus., port., tables. (635 .S662)
- 92. Tukey, H°B. Plant regulators in agriculture. New York, Wiley =1954 269p. illus. (581.134 .T916)
- 93. Washington. Agricultural Experiment Stations, Pullman.

 Hard-end of the Bartlett pear and its possible association with various water relationships of the fruit and leaves, by W.B.Ackley. Pullman. 1954. 35p. tabs., (Technical bulletin 15) (630.8 Wash.)

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 Marketing practices of commercial egg producers in

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 (Bulletin no.291) (630.8 .Ala.)
- 95. Maine. Agricultural Experiment Station, Orono. Increasing Maine McIntosh apple sales in retail stores, by C.H.Merchant, J.Underwood and F.McDonald. Orono, 1954. 15p. illus., tables. (Bulletin 53+) (630.8 .Maine)
- 96. U.S. Dept. of Agriculture. Availability and display of frozen foods in retail stores in Washington, D.C. Washington, D.C., 1954. 30p. tables. (Marketing research report no.73) (630.8.U58)
- 97. U.S. Dept. of Agriculture. Marketing: the yearbook of agriculture, 1954. Washington, D.C., 1954. 506p. illus., charts. (630.8 .U58)
- 98. Washington. Agricultural Experiment Stations, Pullman.

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 256. Regional WM-9 project) (630.8 .Wash.)

MATHEMATICS.

99. Feldman, W.M. Biomathematics; the principles of mathematics for students of biological science, by C.A.B.

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MICROSCOPE AND MICROSCOPY

100. American Society for Testing Materials. Symposium on light microscopy, presented at the fifty-fifth annual meeting, New York, June 25, 1952. Philadelphia, c1953. 126p. illus. (Special publication, no. 143) (578. A512)

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101. Berrill, N.J. Journey into wonder: illustrated by the author. New York, Dodd, Mead 1952: 338p. illus. (574.8533)

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New York, Academic Press, 1954. v.l. and v.2. diagrs.

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New York, I. Washburn 1954, 219p. illus. (632 .H433)

SOILS

- 104. Kubiëna, W.L. The soils of Europe, illustrated diagnosis and systematics, with keys and descriptions for easy identification of the most important soil formations of Europe with consideration of the most frequent synomyms. Madrid, Consejo Superior de Investigaciones Cientificas, 1953. 317p. plates (part col) (631.4 .K95)
- 105. Mitscherlich, E.A. Bodenkunde für Landwirte, Forstwirte und Gärtner in pflanzenphysiologischer Ausrichtung und Auswertung; siebente neubearb Aufl. Berlin, Paul Parey, 1954. 327p. tabs. (631.4 .M864)

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- 106. Pennsylvania. Agricultural Experiment Station, State College. Design and operation of freezing and frozen storage facilities for research with agricultural products, by J.E.Nicholas and M.D.Shaw. State College, Pa., 1954. 33p. diagrs. (Bulletin 579) (630.8 .Pa.)
- 107. U.S. Dept. of Agriculture. The commercial storage of fruits, vegetables, and florist and nursery stocks, by R.C.Wright, D.H.Rose and T.M.Whiteman. Washington, 1954. 77p. tables. (Agriculture handbook no.66) (630.8 .058)

VETERINARY RESEARCH

- 108. Björkman, N. Morphological and histochemical studies on the bovine placenta. Basel, S.Karger, 1954. 91p. plates. (Acta anatomica, v.22, supplementum 22)
- 109. Connecticut. Agricultural Experiment Station, Storrs.

 Studies on the fecal flora of calves and its relation
 to calf scours, by M.D.VanPelt, R.E.Johnson and W.N.

 Plastridge. Storrs, Conn., 1953. 29p. illus. (Bulletin 306) (630.8 .Conn.)
- 110. Lausanne. Service Vétérinaire et Institut Galli-Valerio.

 Monographie des maladies du lièvre en Suisse pars
 G.Bouvier H.Burgissier et P.A.Schneider, avec la
 collaboration de M.Leuenberger. Lausanne, 1954. 68p.
 illus. (619.9 .L388)
- lll. Missouri. Agricultural Experiment Station, Columbia.

 Adaptations and limitations of ring test for bovine brucellosis, by K.L.Tallman and H.A.Herman. Columbia, 1954. 43p. (Research bulletin 546) (630.8 .Mo.)
- 112. Winqvist, G. Morphology of the blood and the hemopoietic organs in cattle under normal and some experimental conditions. Basel, S.Karger, 1954. 157p. plates. (Acta anatomica, v.22, supplementum 21)

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- 113. Baxter, W.J. Today's revolution in weather. New York,
 International Economic Research Bureau =1953: 13lp.
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- 114. Searle, S.A. The measurement of plant climate.
 Chichester, Eng., Chichester Press Ltd. cc1953:
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- 115. Canada. Dept. of Agriculture. Poisonous plants of the Canadian prairies, by J.B.Campbell, R.W.Lodge and A.C. Budd. Ottawa, 1954. 27p. illus. (Publication 900) (630.4 .C212)
- ll6. Kansas. Agricultural Experiment Station, Manhattan.

 Bindweed, how to control it, by W.M.Phillips and F.L.

 Timmons. Manhattan, 1954. 40p. illus. (Bulletin 366) (630.8 .Kan.)
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